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### Automatic adaptation of a face model using action units for semantic coding of videophone sequences - all 2 versions »

L Zhang - Circuits and Systems for Video Technology, IEEE Transactions ..., 1998 - ieeexplore.ieee.org

... algorithm [30], the method of tracking a **face** by global **head** motion compensation ...

proposed in [12] can be applied for locating the **face** in the **facial** image ...

Cited by 29 - [Related Articles](#) - [Web Search](#) - [BL Direct](#)

### Automatic face location for videophone images - all 4 versions »

D Chai, KN Ngan - TENCON'96. Proceedings. 1996 IEEE TENCON. Digital Signal ..., 1996 - ieeexplore.ieee.org

... **videophone** image which consists of natural **head-and-shoulders** ... difference values coincide

with those of the **face**. ... 0 Chrominance values found in **facial** region ...

Cited by 17 - [Related Articles](#) - [Web Search](#)

### A robust model-based approach for 3D head tracking in video sequences - all 11 versions »

M Malciu, F Preteux - Proc. of IEEE Intl. Conf. on Automatic **Face** and Gesture Rec, 2000 - doi.ieeecomputersociety.org

... B. Sankur, JCA van der Lubbe, "Facial feature localization and adaptation of a generic

**face** model for model ... [9] F. Prêteux, M. Malciu, "3D **head** tracking in ...

Cited by 23 - [Related Articles](#) - [Web Search](#)

### Automatic extraction of facial feature points for MPEG4 videophone applications

N Sarris, P Karagiannis, MG Strintzis - Consumer Electronics, 2000. ICCE. 2000 Digest of Technical ..., 2000 - ieeexplore.ieee.org

... framework for efficient coding of the human **head** and its ... to an expected symmetry

within the **facial** area. ... l: (a) the thresholded image (c) the **face** region after ...

Cited by 7 - [Related Articles](#) - [Web Search](#) - [BL Direct](#)

### Synthesis of facial expressions for semantic coding of videophone sequences - all 7 versions »

M Kampmann, B Nagel - Computer Graphics International, 1998. Proceedings, 1998 - ieeexplore.ieee.org

... 2: **Head** rotation axes ... Using these **facial** features, the **face** model is adapted in two

steps [10] ... Here, the size of the **face** model and its **orientation** in 3D space is ...

Cited by 3 - [Related Articles](#) - [Web Search](#)

### Automatic 3-D face model adaptation for model-based coding of videophone sequences - all 2 versions »

M Kampmann - Circuits and Systems for Video Technology, IEEE Transactions ..., 2002 - ieeexplore.ieee.org

... and cutting the upper third of the **head** silhouette [Fig. ... After global adaptation,

the local adaptation adapts the **face** model to the estimated **facial** features ...

Cited by 29 - [Related Articles](#) - [Web Search](#) - [BL Direct](#)

### Muscle modeling for facial animation in videophone coding

C Braccini, S Curinga, AA Grattarola, F Lavagetto - Robot and Human Communication, 1992. Proceedings., IEEE ..., 1992 - ieeexplore.ieee.org

... artificial markers on the speaker's **face** in correspondence ... The speaker's **head** is modeled by means ... investigation to correlate the speaker's **facial** mimics to ...

Cited by 2 - Related Articles - Web Search

### 3D videophone for virtual reality telecommunication

NAM Arif, R Komiya - Communications, 2000. ICC 2000. 2000 IEEE International ..., 2000 - ieeexplore.ieee.org

... for image representation in **face-to-face** communication. ... OF ITEMS FOR PRELIMINARY EVALUATION OF 3D **VIDEOPHONE** [7] No ... 3 Gesture 4 Changes of **facial** expression 5 ...

Cited by 1 - Related Articles - Web Search - BL Direct

### Automatic location and tracking of the **facial** region in color video sequences - all 2 versions »

N Herodotou, KN Plataniotis, AN Venetsanopoulos - Signal Processing: Image Communication, 1999 - ingentaconnect.com

... and track the **facial** area in **videophone**-type sequences. ... correctly identify and select the **facial** region in ... about each object's shape, **orientation**, location and ...

Cited by 48 - Related Articles - Web Search

### A robust real-time **face** tracking algorithm - all 2 versions »

RJ Qian, MI Sezan, KE Matthews - Image Processing, 1998. ICIP 98. Proceedings. 1998 ..., 1998 - ieeexplore.ieee.org

... to correctly recognize the user's **facial** expressions, gestures ... Eleftheriadis and Jacquin proposed a **face** tracking algorithm in [2 ... due to a moving **head** and the ...

Cited by 48 - Related Articles - Web Search

### Automatic **face** segmentation in YCrCb images

S Kewei, F Xitian, C Anni, S Jingao - Communications, 1999. APCC/OECC'99. Fifth Asia-Pacific ..., 1999 - ieeexplore.ieee.org

... The proposed **face** segmentation technique has been tested by ... The **facial** region was correctly detected in most ... tilting and rotation of the **head**, and presence of ...

Cited by 2 - Related Articles - Web Search

### [CITATION] Automatic **Face** Location for **Videophone** Images

DCKN Ngan - 1996 IEEE TENCON, Digital Signal Processing Applications: ..., 1996 - IEEE Service Center

Web Search

### MPEG-4 Facial Animation and its Application to a **Videophone** System for the Deaf

N Sarris, MG Strintzis - Multimedia Networking: Technology, Management and ..., 2002 - books.google.com

... thus calculates the accurate 3D rigid motion of the **head**. ... defined a set of 68 parameters, (the **Facial** Animation Parameters ... be observed on a human **face** with respect ...

Related Articles - Web Search

### Feature-based human **face** detection - all 10 versions »

KC Yow, R Cipolla - Image and Vision Computing, 1997 - Elsevier

... not trivial when the background is complex, the illumination is varied, and the **pose** of the **face** ... The evidence for each **facial** feature or **face** group i ...

Cited by 222 - Related Articles - Web Search

### [CITATION] Somatic features extraction for **facial** mimics synthesis

W Bellotto, S Curinga, P Ghelfi, F Lavagetto - Time-Varying Image Processing and Moving Object Recognition, ..., 1994 - Elsevier Science  
[Related Articles](#) - [Web Search](#)

### Three dimensional **facial** model adaptation - all 2 versions »

N Sarris, MG Strintzis - Image Processing, 2000. Proceedings. 2000 International ..., 2000 - ieeexplore.ieee.org  
... Qayedi and AF Clark, Oh algorithm for **Face** and **Facial** ... and MG Strintzis OAutomatic  
Extraction of **Facial** Feature Points for MPEG4 **Videophone** Applications 0 ...

[Cited by 7](#) - [Related Articles](#) - [Web Search](#)

### [CITATION] VR-Face: An Operator Assisted Real-Time **Face** Tracking System

TJ Yang - Communication and Multimedia Laboratory, Dept. of Computer ..., 1999

[Cited by 7](#) - [Related Articles](#) - [Web Search](#)

### [CITATION] The role of vision in **face-to-face** and mediated communication

S Whittaker, BO'Conaill - Video-Mediated Communication, 1997 - Lawrence Erlbaum Assoc Inc

[Cited by 118](#) - [Related Articles](#) - [Web Search](#)

### Generalized likelihood ratio-based **face** detection and extraction of mouth features - all 13 versions »

C Kervrann, F Davoine, P Pérez, R Forchheimer, C ... - Pattern Recognition Letters, 1997 - Elsevier  
... on 5 key frames of a QCW **videophone** sequence (affine ... the system succeeds to reliably  
extract the **face** as long ... approach to the detection of **facial** features was ...

[Cited by 28](#) - [Related Articles](#) - [Web Search](#) - [BL Direct](#)

### Automatic interpretation and coding of **face** images using flexiblemodels - all 8 versions »

A Lanitis, CJ Taylor, TF Cootes - Pattern Analysis and Machine Intelligence, IEEE Transactions ..., 1997 - ieeexplore.ieee.org  
... variation of these parameters they interpret **head** move- ments ... Modeling, in which  
flexible models of **facial** appear- ance ... for cod- ing and interpreting **face** images ...

[Cited by 375](#) - [Related Articles](#) - [Web Search](#) - [BL Direct](#)

### Automatic human **face** modeling in model-based **facial** image coding

S Luo, RW King - Intelligent Information Systems, 1996., Australian and New ..., 1996 - ieeexplore.ieee.org  
... method to extract contours of **head**, mouth and eyes and other important features  
in real **facial** images ... and Jam As we introduce **face orientation** detection during ...

[Cited by 3](#) - [Related Articles](#) - [Web Search](#)

### [PDF] Facial feature localization and adaptation of a generic **face** model for model-based coding - all 4 versions »

MJT Reindersaj, PJL van Beek, B Sankurb, JCA van ... - Signal Processing: Image Communication, 1995 - busim.ee.boun.edu.tr  
... (iii) Certain **facial** features are always visible, in other words, **head** rotations  
and ... visibility of eyes and mouth are precluded; similarly the **face** is not ...

[Cited by 64](#) - [Related Articles](#) - [View as HTML](#) - [Web Search](#)

### Preliminary evaluation of 3D **videophone** for virtual realitytelecommunication

NAM Arif, R Komiya - Communications, 1999. APCC/OECC'99. Fifth Asia-Pacific ..., 1999 - ieeexplore.ieee.org  
... 3D **videophone** is to realise pseudo natural **face-to-face** communication ... On the other  
hand, making use of **head** mounted display or ... I 8 I Changes of **facial** expression ...

## Web Search

### Automatic feature extraction and face synthesis in facial image coding - all 7 versions »

FC Wu, TJ Yang, M Ouhyoung - 6 th Pacific Conference on Computer Graphics and Applications, 1998 - doi.ieeecs.org

... Extraction of **face** features is an important issue in **facial** image related ... arise from different illumination, **head pose**, **facial** expression, as well as ...

Cited by 3 - Related Articles - Web Search

### A Videophone for the Deaf

N Sards, D Simitopoulos, MG Strintzis - Medical Infobahn for Europe: Proceedings of MIE2000 and ..., 2000 - books.google.com

... and non-rigid (right) adaptation of the **face** model shown ... the problem of tracking the **facial** characteristic feature ... the rigid 3D motion of the speaker's **head** ...

Related Articles - Web Search

### Face detection for image annotation - all 6 versions »

G Wei, IK Sethi - Pattern Recognition Letters, 1999 - Elsevier

... testing, we hope to refine our **facial** feature extraction ... cope with situations in which the **face** is tilted ... we cannot handle something like significant **head** tilt ...

Cited by 37 - Related Articles - Web Search

### Video realistic avatar for virtual face-to-face conferencing

YJ Chang, CC Chien, YC Chen - Multimedia and Expo, 2002. ICME'02. Proceedings. 2002 IEEE ..., 2002 - ieeexplore.ieee.org

... avatar for virtual **face-to-face** conferencing system ... Textured Polygonal Model Assisted

**Facial** Model Estimation ... and YC Chcn, "Robust **Head Pose** Estimation Using ...

Cited by 3 - Related Articles - Web Search

### Hinged-case sound and vision communications terminal, in particular a video-phone - all 2 versions »

J Guichard, G Buchner, J Labat - US Patent 5,111,498, 1992 - freepatentsonline.com

... August, 1989, Hoshina, 379/53, Display terminal for a **videophone**. ... display screen

128 or to the front **face** of the ... of the speaker's body, eg, the **head**, occupies a ...

Cited by 10 - Related Articles - Cached - Web Search

### Face shape extraction and recognition using 3D morphing and distance mapping - all 3 versions »

C Zhang, FS Cohen - Automatic **Face** and Gesture Recognition, 2000. Proceedings. ..., 2000 - ieeexplore.ieee.org

... This is followed by a local adaptation of the **face** to the different **facial** features

(manually ... an operator in the image views) while keeping the **pose** fixed. ...

Cited by 5 - Related Articles - Web Search

### [CITATION] MPEG-4 Compliant Tracking of Facial Features in Video Sequences

M Malciu, F Preteux - Proc. EUROIMAGE, ICAV3D, Greece, 2001

Cited by 5 - Related Articles - Web Search

### Multi-objective retrieval of object pose from video - all 5 versions »

AN Avanaki, B Hamidzadeh, F Kossentini - Proceedings of IEEE Conference on Tools with Artificial ..., 2000 - doi.ieeecs.org

... 3-D **facial** **pose** and gaze point estimation using ... IEEE International conf on automatic

**face and gesture ... Recognition of human head orientation based on artificial ...**

[Cited by 3 - Related Articles](#) - [Web Search](#)

### A novel face segmentation algorithm

W Fang, L Pengfei - Info-tech and Info-net, 2001. Proceedings. ICII 2001-Beijing ..., 2001 - ieeexplore.ieee.org

... results carried out on a **head-and-shoulders** ... Extraction of **Facial** Images from Complex

Background Using ... In International Workshop on Automatic **Face** and Gesture ...

[Cited by 2 - Related Articles](#) - [Web Search](#)

### Realtime face object extraction algorithm for video phone

K Hontani, T Imanaka, G Fujita, T Onoye, I ... - Circuits and Systems, 2002. APCCAS'02. 2002 Asia-Pacific ..., 2002 - ieeexplore.ieee.org

... can not also be employed for the mobile **video phone**, since they ... aims at the

real-time extraction of a **face** object in ... it is not unreasonable to sup- **pose** that ...

[Related Articles](#) - [Web Search](#)

### Estimation of eye and mouth corner point positions in a knowledge-based - all 2 versions »

L Zhang - 1996 - citeseer.ist.psu.edu

... summary). Abstract: Automatic extraction of **facial** feature points ... location informations

of the **face** model are ... an increasing interest in **head** tracking algorithms ...

[Cached](#) - [Web Search](#)

### Constructing a Videophone for the Hearing Impaired Using MPEG-4 Tools - all 8 versions »

N Sarris, MG Strintzis - 2001 - doi.ieeeecs.org

... the most accurately tracked points and thus calculates the **head's** accurate 3D ... Estimating

nonrigid 3D **facial** motion. ... motions we can observe on a human **face** in a ...

[Cited by 4 - Related Articles](#) - [Web Search](#) - [BL Direct](#)

### Analysis and synthesis of 3-D face image sequence based onmodel-based image coding scheme with an ...

MC Park, NP Chandrasiri, T Naemura, M Kaneko, H ... - Image Processing, 1999. ICIP 99. Proceedings. 1999 ..., 1999 - ieeexplore.ieee.org

... important when the estimation of global **head** motion and ... T. Takabc, "Analysis and

synthesis of **facial** image se ... [4] L. Zhang, "Tracking a **face** for knowlcdgc ...

[Cited by 2 - Related Articles](#) - [Web Search](#)

### ... at curved surfaces with applications todynamic range compression and model-based coding of facial ... - all 3 versions »

W Blohm - Image Processing, IEEE Transactions on, 1997 - ieeexplore.ieee.org

... with no details visible in some **facial** regions result ... is employed for determining

within the **head** and shoulder ... visible in all regions of the person's **face**. ...

[Cited by 4 - Related Articles](#) - [Web Search](#) - [BL Direct](#)

### The Effects of Media and Task on User Performance: A Test of the Task-Media Fit Hypothesis - all 2 versions »

BE Mennecke, JS Valacich, BC Wheeler - Group Decision and Negotiation, 2000 - Springer

... **Face-to-face** inter- action is theorized to be ... Likewise, the **videophone** can convey

both verbal and nonverbal ... inch LCD monitor which displays the **head** and upper ...

[Cited by 32 - Related Articles](#) - [Web Search](#) - [BL Direct](#)

## Facial feature tracking for eye-head controlled human computerinterface - all 5 versions »

JGKKN Kim, RS Ramakrishna - TENCON 99. Proceedings of the IEEE Region 10 Conference, 1999 - ieeexplore.ieee.org

... techniques are desirable and **head orientation** must be ... D.Thanassas, E.Badique, Automatic

**face** location to ... [ 121 Sang-Ho Kim "Parallel **Facial** Feature Tracking ...

Cited by 8 - Related Articles - Web Search

## Skin color detection for **face** localization in human-machinecommunications - all 2 versions »

D Chai, SL Phung, A Bouzerdoum - Signal Processing and its Applications, Sixth International, ..., 2001 - ieeexplore.ieee.org

... D. Chai and K. N. Ngan, "Locating **facial** region of a **head-and-shoulders** ... image," in

Third IEEE International Conference on Automatic **Face** and Gesture ...

Cited by 4 - Related Articles - Web Search

## Hand and **face** segmentation using motion and color cues in digital image sequences - all 4 versions »

N Habil, CC Lim, A Moini - Multimedia and Expo, 2001. ICME 2001. IEEE International ..., 2001 - ieeexplore.ieee.org

Page 1. HAND AND **FACE** SEGMENTATION USING MOTION AND COLOR CUES IN DIGITAL IMAGE

SEQUENCES ... Our hand and **face** segmentation algorithm is composed of three stages. ...

Cited by 13 - Related Articles - Web Search

## A novel skin color model in YCbCr color space and its application to human **face** detection - all 2 versions »

SL Phung, A Bouzerdoum, D Chai - Image Processing. 2002. Proceedings. 2002 International ..., 2002 - ieeexplore.ieee.org

... will remove "spikes" connected to a **facial** region ... KK Pang, Adaptive skin segmentation

for **head** and shoulder ... D. Chai and KN Ngan, "Face segmentation using ...

Cited by 55 - Related Articles - Web Search

## Simulated natural movement of a computer-generated synthesized talking **head** - all 3 versions »

NS Jayant, J Zhong - US Patent 5,933,151, 1999 - freepatentsonline.com

... to as "paralinguistic signals") such as **facial** expressions and ... is set as the

full-**face** frontal view ... a newscaster or **videophone** user, rotational **head** movement ...

Cited by 7 - Related Articles - Cached - Web Search

## An efficient algorithm for human **face** detection and **facial** feature extraction under different ... - all 2 versions »

KW Wong, KM Lam, WC Siu - Pattern Recognition, 2001 - Elsevier

... by approximating the shirring angle due to **head** movement. ... and I. Pitas, A novel method

for automatic **face** segmentation, **facial** feature extraction ...

Cited by 58 - Related Articles - Web Search - BL Direct

## 3-D **face** structure extraction and recognition from images using 3-D morphing and distance mapping - all 3 versions »

C Zhang, FS Cohen, H RVSI - Image Processing, IEEE Transactions on, 2002 - ieeexplore.ieee.org

... 6. We select a set of significant **facial** feature points ... 31 persons that contains

four to six **face** images per ... 90 degrees out of the plane) in **head pose** (see Fig ...

Cited by 19 - Related Articles - Web Search - BL Direct

## ClearBoard: a seamless medium for shared drawing and conversation with eye contact - all 4 versions »

H Ishii, M Kobayashi - Proceedings of the SIGCHI conference on Human factors in ..., 1992 - portal.acm.org

... a good idea to force users to wear awkward **head**-mount displays ... to draw over the image

of the partner's **face** ... found it difficult to draw over the **facial** image ...

[Cited by 241 - Related Articles - Web Search - BL Direct](#)

### Automatic construction of 3D human **face** models based on 2D images

LA Tang, TS Huang - ... Processing, 1996. Proceedings., International Conference on, 1996 - ieeexplore.ieee.org

... **human face** for use in anthropometry of the human **head** ... T. Akimoto and Y. Suenaga,

"3d **facial** model cre ... and front and side views of **face**," IEICE Bansactaons ...

[Cited by 23 - Related Articles - Web Search](#)

### Arm gesture transmission for virtual reality telecommunicationsystem

MN Ramluy, R Komiya - Communications, 2000. ICC 2000. 2000 IEEE International ... , 2000 - ieeexplore.ieee.org

... robotic arm and hand system, coupled with the 3D **videophone**. ... to imitate other major

parts of the human body - **head**, ... I], eye and hair color, and **face** shape and ...

[Cited by 2 - Related Articles - Web Search - BL Direct](#)

### Face detection: A survey - all 10 versions »

E Hjelmas, BK Low - Computer Vision and Image Understanding, 2001 - sandrosufba.hpg.com.br

... Edge features within the **head** outline are then subjected to ... 60, 70, 76, 108, 201,

222] for **face** detection ... been applied to detecting glasses in **facial** images [79 ...

[Cited by 418 - Related Articles - Web Search - BL Direct](#)

### [PDF] Tracking **facial** features in video sequences using a deformable model-based approach - all 9 versions »

M Malciu, F Preteux - Proceedings of the SPIE, 2000 - visicast.sys.uea.ac.uk

... Keywords: **Facial** motion capture, MPEG-4 **face** description, deformable template, 3D

**head pose** estimation, monocular video sequences. 1. INTRODUCTION ...

[Cited by 7 - Related Articles - View as HTML - Web Search](#)

### Omni-**face** detection for video/image content description - all 5 versions »

G Wei, IK Sethi - Proceedings of the 2000 ACM workshops on Multimedia, 2000 - portal.acm.org

... CC Han, MY.Chen and YT Liu, "Facial feature detection using geometrical **face** model:

an ... motions for very low bit-rate **videophone** coding", Pattern ...

[Cited by 16 - Related Articles - Web Search](#)

### An architecture for **face** classification

R Gallery, TIP Trew - Machine Storage and Recognition of Faces, IEE Colloquium on, 1992 - ieeexplore.ieee.org

... which simulated annealing is used to fit a **head** outline to the **face**. ... Lighting Effects

It is necessary to apply some preprocessing to the **facial** image. ...

[Cited by 4 - Related Articles - Web Search](#)

### SYSTEM FOR HUMAN **FACE** DETECTION - all 2 versions »

RJ Qian - EP Patent 1,046,126, 2002 - freepatentsonline.com

... if the **orientation** of the person's **face** is away ... the system may fail to identify the

person's **head**. ... within the backgrounds of the image, the **facial** region may ...

[Related Articles - Cached - Web Search](#)

## Supervised object-based temporal filtering for enhancement of moving facial images

X Ping, J Robinson - Electrical and Computer Engineering, 1998. IEEE Canadian ..., 1998 - ieeexplore.ieee.org

... computer graphics animation [1][2], **videophone** compression coding ... is made on original

moving **facial** frames to ... triangles with landmarks in our **face** model (see ...

Related Articles - Web Search

## Method for robust human **face** tracking in presence of multiple persons - all 6 versions »

RJ Qian, KE Matthews - EP Patent 0,967,574, 1999 - freepatentsonline.com

... a security system wherein the size of the **head** and shoulders of a ... A method for robust

human **face** tracking in the presence of multiple **facial** images includes ...

Cited by 3 - Related Articles - Cached - Web Search

## **[CITATION]** The Role of Vision in **Face-to-Face** and Mediated Communication

BO'Conaill - Video-Mediated Communication, 1997 - Lawrence Erlbaum Associates

Cited by 3 - Related Articles - Web Search

## A new robust **face** detection in color images - all 8 versions »

S Srisuk, W Kurutach - Automatic **Face** and Gesture Recognition, 2002. Proceedings. ..., 2002 - ieeexplore.ieee.org

... analysis [6,13,18,21,22] and **facial** feature extraction [2 ... This paper presents a fast

algorithm of **face** region detec ... Firstly, we will pro- **pose** a novel method for ...

Cited by 29 - Related Articles - Web Search

## Projection based method for segmentation of human **face** and its evaluation - all 7 versions »

S Baskan, MM Bulut, V Atalay - Pattern Recognition Letters, 2002 - Elsevier

... Mouth lies in the middle-lower part of the **head** ... Saber and Tekalp, 1996. E. Saber

and M. Tekalp , **Face** detection and **facial** feature extraction using ...

Cited by 28 - Related Articles - Web Search

## Skin colour based **face** detection

SL Phung, D Chai, A Bouzerdoum - Intelligent Information Systems Conference, The Seventh ..., 2001 - ieeexplore.ieee.org

... a wide range of variations in the human **face** pattern that are due to factors such

as different lighting, **face orientation**, **face size**, **facial** expression and ...

Cited by 2 - Related Articles - Web Search

## **[PS]** Tracking a **face** in a knowledge-based analysis-synthesis coder - all 3 versions »

L Zhang - International Workshop on Coding Techniques for very low ..., 1995 - tnt.uni-hannover.de

... with motion compensation of the **head** [3] (b ... Rydfalk, "CANDIDE, A parameterised **face**",

Internal Report ... R.Forchheimer, "Two-view **facial** movement estimation ...

Cited by 4 - Related Articles - View as HTML - Web Search

## **[PDF]** A survey of **facial** modeling and animation techniques - all 6 versions »

J Noh, U Neumann - University of Southern California Technical Report, 1998 - faceita.hpg.ig.com.br

... acquires two views of a person's **face** and identifies ... fiducial points defined on a

generic **facial** model. In the profile and front views, the **head** is segmented ...

Cited by 62 - Related Articles - View as HTML - Web Search

### Integrating active **face** tracking with model based coding - all 5 versions »

L Yin, A Basu - Pattern Recognition Letters, 1999 - Elsevier

... Motion regularization for model-based **head** tracking. ... A robust method for realistic **facial** model adaptation ... Automatic adaptation of a **face** model using action ...

Cited by 15 - Related Articles - Web Search

### Facial modeling from an uncalibrated **face** image using a coarse-to-fine genetic algorithm - all 2 versions »

SY Ho, HL Huang - Pattern Recognition, 2001 - Elsevier

... deemed necessary for "tting a generic model to an individual's **head**. ... adjust the 3D control points of a generic **facial** model to "t the **face** image accurately ...

Cited by 18 - Related Articles - Web Search - BL Direct

### [CITATION] Using Recorded Motion for **Facial** Animation

T Kobayashi - 1997 - The University of British Columbia

Related Articles - Web Search

### As plain as the noise on your **face**: Adaptive video compression using **face** detection and visual ... - all 2 versions »

S Daly, K Matthews, J Ribas-Corbera - Journal of Electronic Imaging, 2001 - link.aip.org

... in the image frame and that the **head** will be ... is demonstrated in how poorly the **face** is rendered ... numerous artifacts are visible in the **facial** region, including ...

Cited by 9 - Related Articles - Web Search - BL Direct

### [PDF] Extraction and Coding of **Face** Model Parameters - all 10 versions »

J Ahlberg - Proceedings of the International Workshop on Coding ..., 1997 - bk.isy.liu.se

... in mind has been a real-time **videophone** system running ... is the tracking of faces and **facial** features through ... Also, the synthesis of **face** images on the decoder ...

Cited by 13 - Related Articles - View as HTML - Web Search

### Face detection and tracking for video coding applications - all 3 versions »

B Menser, M Brunig - Signals, Systems and Computers, 2000. Conference Record of ..., 2000 - ieeexplore.ieee.org

... 8]. In contrast to other **face** segmentation algorithms that assume **head** and shoulder ...

Frontal-view **face** detection and **facial** feature extraction using ...

Cited by 9 - Related Articles - Web Search - BL Direct

### Display/monitor with **orientation** dependent rotatable image - all 7 versions »

PA Alioshin, DB Corbin - US Patent 5,986,634, 1999 - freepatentsonline.com

... the display screen is rotated to **face** outward ... in a television system, computer system, **video phone** or internet ... underneath a cabinet in a fold-down **orientation** ...

Cited by 11 - Related Articles - Cached - Web Search

### Contour extraction and matching for image sequence coding

PJL van Beek, B Sankur, JCA van der Lubbe - Image Processing and its Applications, 1992., International ..., 1992 - ieeexplore.ieee.org

... described for the extraction of the **head-and-shoulder** ... 3] Badique, E., "Knowledge-based **facial** area recognition ... Lishman, "Automatic extraction of **face**-features ...

Cited by 1 - Related Articles - Web Search

## Human Face Image Processing Techniques

H Yan - International Journal of Image and Graphics, 2001 - worldscinet.com

... Once the **head** boundary is determined, the **facial** features can be located based on their edge information and the **face** symmetry (Fig. 4). ...

Cited by 2 - Related Articles - Web Search

## Method and apparatus for aligning and comparing images of the face and body from different imagers - all 11 versions »

FJ Prokoski - US Patent 6,496,594, 2002 - freepatentsonline.com

... in affected areas of the **face**, particularly the lips ... Encoding of **facial** expressions and **facial** movements during ... in the transmission of "talking **head**" video for ...

Cited by 6 - Related Articles - Cached - Web Search

## Low bit rate audio-visual communication having improved **face** and lip region detection - all 3 versions »

Y Zhou - US Patent 5,596,362, 1997 - freepatentsonline.com

... of a videotelphone application, the speaker's **face** should be ... the remainder of the speaker's **facial** region ... video frame, typically comprised of **head-and-shoulder** ...

Cited by 9 - Related Articles - Cached - Web Search

## **[CITATION]** Definition of VRTS

R Komiya - Virtual Reality Technologies for Future Telecommunications ..., 2002 - Wiley

Related Articles - Web Search

## Region-of-Interest Video Coding Based on **Face** Detection - all 3 versions »

JW Chen, MJ Chen, MC Chi - Proceedings of the Third IEEE Pacific Rim Conference on ..., 2002 - Springer

... 6. D. Chai and KN Ngan, "Locating **facial** region of a **head-and-shoulders** color image", Proc. ... Automatic **Face** and Gesture Recognition, pp. ...

Cited by 1 - Related Articles - Web Search - BL Direct

## Facial feature model fitting in semantic-based scene analysis - all 3 versions »

PM Antoszczyszyn, JM Hannah, PM Grant - Electronics Letters, 1997 - ieeexplore.ieee.org

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of the 3D **facial** model used. ... lar areas within which lie the **head**, eyes and ...

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